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PCT/EP2004/001139

INTERNATIONAL (PCT) SEARCH REPORT

(INTERNATIONAL PUBLICATION NO. WO 2004/069057)

DP2/ KUCH9.COV4

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/001139

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B17/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|-----------------------|
| X | DE 195 08 129 A (MENKE) 12 September 1996 (1996-09-12) figure 1 ----- | 1 |
| X | EP 1 097 675 A (GENERAL SURGICAL) 9 May 2001 (2001-05-09) column 7, lines 30-37; figure 4 ----- | 1-12, 16-19 |
| X | US 5 667 479 A (KIETURAKIS) 16 September 1997 (1997-09-16) column 4; figures 1-3,5,6c ----- | 1-7,12, 16,17 |
| X | US 5 643 178 A (MOLL) 1 July 1997 (1997-07-01) column 5, paragraph 3; figure 46 ----- | 1-6,12, 16,17 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

17 June 2004

Date of mailing of the International search report

03 SEP 2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International application No.

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, namely

1. Claims 1-12, 16-19

double-walled therapeutic device formed by invagination of a single-walled tubular section, in particular with a closure element designed as barrel nipple.

2. Claims 1, 8, 13-15

double-walled therapeutic device formed by invagination of a single-walled tubular section, in particular with reinforcement provided by means of preforming.

3. Claims 1, 20, 21

double-walled therapeutic device with sleeve valve.

4. Claims 1, 22

double-walled therapeutic device with collar-like abutment.

5. Claims 1, 23

double-walled therapeutic device with pressure sensor in the inflation space.

6. Claims 1, 24, 25, 25a, 26

double-walled therapeutic device, in particular with medicinal substance and shield.

7. Claims 1, 27-30

double-walled therapeutic device with substances or bodies attached to its surface.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/001139

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